

IN THE CLAIMS

Please amend the claims as follows:

- 1-2. (Canceled without prejudice or disclaimer)
3. (Withdrawn) The cultivated soil of claim 1, said plant being an agricultural plant.
4. (Withdrawn) The cultivated soil of claim 1, said plant being a horticultural plant.
5. (Canceled without prejudice or disclaimer)
6. (Withdrawn) The cultivated soil of claim 1, wherein said plant is a grass.
7. (Withdrawn) A lawn according to claim 6.
8. (Withdrawn) A pasture according to claim 6.
9. (Withdrawn) A grass component of a golf course according to claim 6.
10. (Withdrawn) The cultivated soil of claim 6, wherein said grass is turffgrass.
11. (Withdrawn) The cultivated soil of claim 1, wherein said plant is a ground-covering plant or an ornamental plant.
12. (Withdrawn) The cultivated soil of claim 11, wherein said ornamental plant is a flower.
13. (Withdrawn) The cultivated soil of claim 12, wherein said flower is one member selected from the group consisting of carnations, mums, golden pothos, impatiens, pansies, violets, begonias, gardenias, hydrangea, lilacs, sunflowers, orchids, pointsettia, phalenopsis, bromiliad, snapdragons, alstroemeria, daisies, gerbera daisies, freesia, liatris, antherum, delphinium, roses, lilies, irises, daffodils, hyacinths and tulips.
14. (Withdrawn) The cultivated soil of claim 1, wherein said plant is a vegetable plant selected from the group consisting of asparagus, beans, beets, bell peppers, broccoli, cabbage, cantaloupe, carrot, cauliflower, celery, collard, cucumbers, pickles, eggplant, fennel, garlic, honeydew melon, kohlrabi, lettuce, leek, muskmelon, mustard green, onion, green onion, okra, pea, pepper (*Capsicum* spp.), potato, pumpkin, radish, spinach, squash, sweet corn, sweet potato, tomato, turnip, watermelon, yam, and zucchini plants.
15. (Withdrawn) The cultivated soil of claim 1, wherein said plant is an herb, a shrub, a fern, or a succulent.
16. (Withdrawn) The cultivated soil of claim 1, where said plant is a vine.

17. (Withdrawn) The cultivated soil of claim 16, wherein said vine is a grape vine.
18. (Withdrawn) The cultivated soil of claim 1, wherein said plant is a tree.
19. (Withdrawn) The cultivated soil of claim 18, wherein said tree is a fruit tree selected from the group consisting of apple, apricot, avocado, banana, cherry, coconut, grape, grapefruit, lemon, lime, nectarine, olive, orange, peach, pear, plum, prune, tangelo, tangerine, and kiwi trees.
20. (Withdrawn) The cultivated soil of claim 1, wherein said plant is barley, corn (maize), emmer, oats, rice (*Oryza* spp.), rye, sorghum, spelt, triticale, wheat, or wild rice (*Zizania* spp.).
21. (Withdrawn) The cultivated soil of claim 1, wherein said plant is a pulse crop selected from the group consisting of soybean, dry bean, lentil, lupin, and pea plants.
22. (Withdrawn) The cultivated soil of claim 1, wherein said plant is a berry plant selected from the group consisting of cranberry, blackberry, blueberry, boysenberry, gooseberry, raspberry, and strawberry plants.
23. (Withdrawn) The cultivated soil of claim 1, wherein said plant is a nut-bearing plant selected from the group consisting of almond, cashew, hazelnut, pecan, and walnut plants.
24. (Withdrawn) The cultivated soil of claim 1, wherein said plant is an oil-producing plant selected from the group consisting of canola, cranbe, cottonseed, flax, mustard, peanut, rape, safflower, and sunflower plants.
25. (Withdrawn) The cultivated soil of claim 1, wherein said plant is one member selected from the group consisting of cotton, pineapple, sugarcane, sugarbeet, tobacco, and hemp plants.
26. (Withdrawn) The cultivated soil of claim 18, wherein said tree is an ornamental tree.
27. (Canceled without prejudice or disclaimer).
28. (Withdrawn) The cultivated soil of claim 1, said Yenomite further comprising one or more micronutrient, fertilizer, herbicide, fungicide, or pesticide.
29. (Withdrawn) The cultivated soil of claim 28, wherein said micronutrient is one or more member selected from the group consisting of boron, copper, iron, manganese, molybdenum, and zinc ions.

30. (Currently Amended) In the cultivation of an agricultural or horticultural plant in soil, the improvement comprising adding to said ~~using an agriculturally or horticulturally~~ cultivated soil an amount of Yenomite effective to improve the growth or development of said plant, said plant comprising one or more plant seed, plant seedling, growing plant or mature plant ~~and an agriculturally or horticulturally effective amount of Yenomite.~~

31. (Previously presented) The cultivation of claim 30, said Yenomite comprising, as a major zeolitic component, phillipsite, and palagonite.

32. (Previously presented) An agricultural cultivation according to claim 30.

33. (Previously presented) A horticultural cultivation according to claim 30.

34. (Previously presented) The cultivation of claim 30, said Yenomite comprising, as a major zeolitic component, phillipsite, and palagonite.

35. (Currently Amended) The cultivation of claim 30, comprising ~~cultivating~~ an agricultural plant.

36. (Currently Amended) The cultivation of claim 30, comprising ~~cultivating~~ a horticultural plant.

37. (Previously presented) The cultivation of claim 30, said Yenomite comprising one or more additional zeolites selected from the group consisting of faujasite and chabazite.

38. (Previously presented) The cultivation of claim 30, wherein said plant is a grass.

39. (Previously presented) Cultivating a lawn according to claim 38.

40. (Previously presented) Cultivating a pasture according to claim 38.

41. (Previously presented) Cultivating a grass component of a golf course according to claim 38.

42. (Previously presented) The cultivation of claim 38, wherein said grass is turfgrass.

43. (Previously presented) The cultivation of claim 30, wherein said plant is a ground-covering plant or an ornamental plant.

44. (Previously presented) The cultivation of claim 30, wherein said ornamental plant is a flower.

45. (Previously presented) The cultivation of claim 44, wherein said flower is one member selected from the group consisting of carnations, mums, golden pothos, impatiens, pansies, violets, begonias, gardenias, hydrangea, lilacs, sunflowers, orchids, pointsettia,

phalenopsis, bromiliad, snapdragons, alstroemeria, gerbera daisies and other daisies, freesia, liatris, antherum, delphinium, roses, lilies, irises, daffodils, hyacinths and tulips.

46. (Previously presented) The cultivation of claim 30, wherein said plant is a vegetable plant selected from the group consisting of asparagus, beans, beets, bell peppers, broccoli, cabbage, cantaloupe, carrot, cauliflower, celery, collard, cucumbers, pickles, eggplant, fennel, garlic, honeydew melon, kohlrabi, lettuce, leek, muskmelon, mustard green, onion, green onion, okra, pea, pepper (*Capsicum* spp.), potato, pumpkin, radish, spinach, squash, sweet corn, sweet potato, tomato, turnip, watermelon, yam, and zucchini plants.

47. (Previously presented) The cultivation of claim 30, wherein said plant is an herb a shrub, a succulent or a fern.

48. (Previously presented) The cultivation of claim 30, where said plant is a vine.

49. (Previously presented) The cultivation of claim 48, wherein said vine is a grape vine.

50. (Previously presented) The cultivation of claim 30, wherein said plant is a tree.

51. (Previously presented) The cultivation of claim 50, wherein said tree is a fruit tree selected from the group consisting of apple, apricot, avocado, banana, cherry, coconut, grape, grapefruit, lemon, lime, nectarine, olive, orange, peach, pear, plum, prune, tangelo, tangerine, and kiwi trees.

52. (Previously presented) The cultivation of claim 30, wherein said plant is barley, corn (maize), emmer, oats, rice (*Oryza* spp.), rye, sorghum, spelt, triticale, wheat, or wild rice (*Zizania* spp.).

53. (Previously presented) The cultivation of claim 30, wherein said plant is a pulse crop selected from the group consisting of soybean, dry bean, lentil, lupin, and pea plants.

54. (Previously presented) The cultivation of claim 30, wherein said plant is a berry plant selected from the group consisting of cranberry, blackberry, blueberry, boysenberry, gooseberry, raspberry, and strawberry plants.

55. (Previously presented) The cultivation of claim 30, wherein said plant is a nut-bearing plant selected from the group consisting of almond, cashew, hazelnut, pecan, and walnut plants.

56. (Previously presented) The cultivation of claim 30, wherein said plant is an oil-producing plant selected from the group consisting of canola, cranbe, cottonseed, flax, mustard, peanut, rape, safflower, and sunflower plants.

57. (Previously presented) The cultivation of claim 30, wherein said plant is one member selected from the group consisting of cotton, pineapple, sugarcane, sugarbeet, tobacco, and hemp plants.

58. (Previously presented) The cultivation of claim 30, said Yenomite further comprising one or more members selected from the group consisting of smectite and calcite.

59. (Previously presented) The cultivation of claim 30, said Yenomite further comprising one or more micronutrient, fertilizer, pesticide, herbicide, or fungicide.

60. (Previously presented) The cultivation of claim 59, wherein said micronutrient is one or more member selected from the group consisting of boron, copper, iron, manganese, molybdenum, and zinc ions.

61. (Newly added) A method for reducing the release of fertilizers used in growing agricultural or horticultural plants into the environment comprising adding to the soil in which said plants are grown an amount of Yenomite effective to reduce fertilizer release in the environment.

62. (Newly added) The method of claim 61 comprising growing an agricultural plant.

63. (Newly added) The method of claim 61 comprising growing a horticultural plant.

64. (Newly added) The method of claim 61 wherein said plant comprises a grass.

65. (Newly added) The method of claim 61 comprising growing a lawn, a pasture, or a golf course.

66. (Newly added) The method of claim 64 wherein said grass is turfgrass.

67. (Newly added) A method for improving the efficiency of water used in growing agricultural or horticultural plants comprising adding to the soil in which said plants are grown an amount of Yenomite effective to improve said water utilization.

- 68. (Newly added) The method of claim 67 comprising growing an agricultural plant.
- 69. (Newly added) The method of claim 67 comprising growing a horticultural plant.
- 70. (Newly added) The method of claim 67 wherein said plant comprises a grass.
- 71. (Newly added) The method of claim 67 comprising growing a lawn, a pasture, or a golf course.
- 72. (Newly added) The method of claim 70 wherein said grass is turfgrass.